

*The Once and Future Universe*

**With otherworldly eyes**, the joint Smithsonian-University of Arizona Multiple Mirror Telescope (MMT) looks out from atop Mount Hopkins near Tucson. The telescope's six

72-inch mirrors, with resolving power equivalent to a single 272-inch mirror, were designed to be integrated by lasers. But moths fluttering on the evening breeze interrupted the beams. Now the images of cosmic objects are coordinated by a video system. The MMT is particularly suited to examine quasars, using their ancient light to probe the most distant margins of space and time.

# Conceptual Value

ELEMENT	VALUE
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Visual probing	1
- Science	1
- Exploration	1
- Space	1

*Analytical Value*

*Value Element*

*Telescope 1*

*Multiple Mirrors 1*

*Lasers 1*

*Quasars 1*

TASKING SHEET

SOURCE NO: \_\_\_\_\_

DATE: 4 JAN 93

SUSPENSE: 5 JAN 93

1600 hrs

1. PROJECT NUMBER: 93-143-P

2. METHOD/TECHNIQUE: Method of choice.

3. BACKGROUND: \_\_\_\_\_

----The following task is part of a document-access series.

----The target is drawn from a variety of printed material that describe people, places, activities or things.

----The target consists of printed material only.

----The target focuses substantially on a single thematic issue.

4. ESSENTIAL ELEMENTS OF INFORMATION: \_\_\_\_\_

----Access and describe the substantial nature of the printed material.

----Identify the specific theme, aspect, etc.

----Provide any phonetics that are pertinent to the material.

----Submit sketches in support of your findings.

5. COMMENTS: \_\_\_\_\_

----Optional Coordinates: 558227/322558.

----Key words in the document will be underlined in red.

NO BEACON PERSON FOR THIS TARGET

PROJECT NO. 93-143-PEVALUATION RECORDSPROFICIENCY PROJECTS

SOURCE	EVALUATION CATEGORIES (For Key elements)	PROFICIENCY COORDINATOR (DTI-S)	ANALYSIS SPECIALIST (DTI-S)	OUTSIDE REVIEWER ( )	AVERAGE RATING
025	a. Concept/Generic ----- b. Analytic labeling	----- <u>5</u> ----- 0	-----	-----	-----
049	a. Concept/Generic ----- b. Analytic labeling	----- <u>15</u> ----- 0	-----	-----	-----
079	a. Concept/Generic ----- b. Analytic labeling	----- <u>40</u> ----- 20	-----	-----	-----
	a. Concept/Generic ----- b. Analytic labeling	-----	-----	-----	-----
	a. Concept/Generic ----- b. Analytic labeling	-----	-----	-----	-----
	a. Concept/Generic ----- b. Analytic labeling	-----	-----	-----	-----
	a. Concept/Generic ----- b. Analytic labeling	-----	-----	-----	-----
CONTROL	a. Concept/Generic ----- b. Analytic labeling	-----	-----	-----	-----
CONTROL 101	a. Concept/Generic ----- b. Analytic labeling	-----	-----	-----	-----